

itl boulder
THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

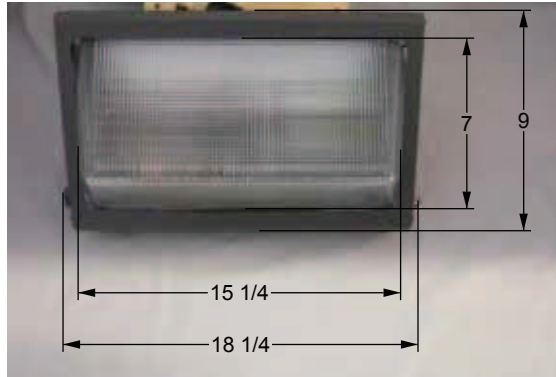
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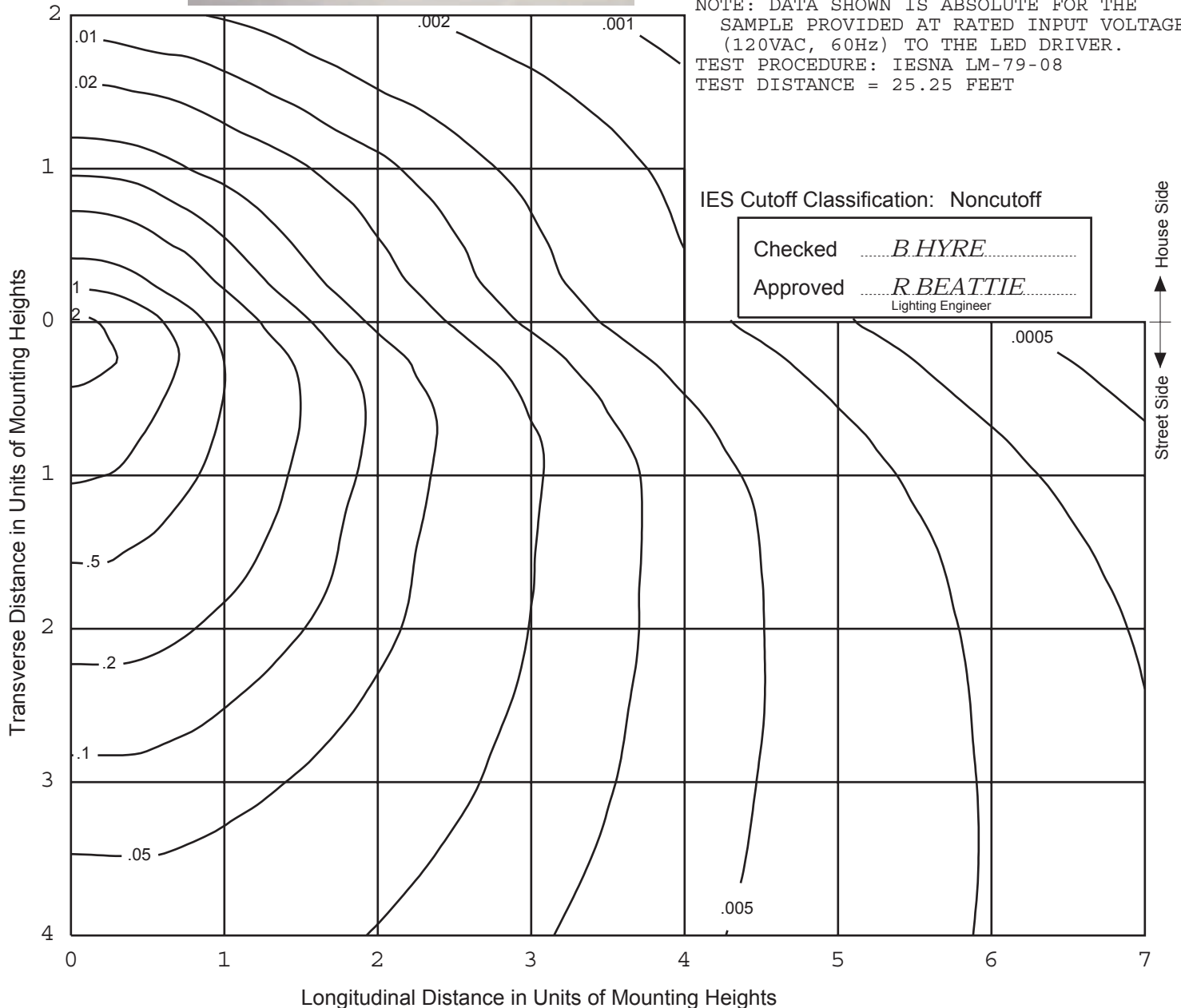
PHONE: (303)442-1255 • FAX: (303)449-5274 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



REPORT NUMBER: ITL69678
ISSUE DATE: 08/22/11 PAGE: 1 OF 7
PREPARED FOR: MAXLITE
CATALOG NUMBER: MLLWP60LED50
LUMINAIRE: CAST METAL HOUSING WITH UNFINISHED INTERIOR, FORMED SEMI-SPECULAR METAL CIRCUIT BOARD MOUNTING PLATE, FOUR CIRCUIT BOARDS EACH WITH 8 LEDS, CLEAR PRISMATIC GLASS LENS IN CAST BROWN PAINTED METAL FRAME.
LAMPS: THIRTY-TWO WHITE LIGHT EMITTING DIODES (LEDs), TILTED 33-DEGREES FROM VERTICAL BASE-UP POSITION.
TOTAL INPUT WATTS = 63.7 AT 120.0 VOLTS
LED DRIVER: INVENTRONICS EUC-060S230ST
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.
TEST PROCEDURE: IESNA LM-79-08
TEST DISTANCE = 25.25 FEET



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CATALOG NUMBER: MLLWP60LED50

LUMINAIRE: CAST METAL HOUSING WITH
UNFINISHED INTERIOR, FORMED SEMI-
SPECULAR METAL CIRCUIT BOARD MOUNTING
PLATE, FOUR CIRCUIT BOARDS EACH WITH 8
LEDs, CLEAR PRISMATIC GLASS LENS IN
CAST BROWN PAINTED METAL FRAME.

LAMPS: THIRTY-TWO WHITE LIGHT EMITTING
DIODES (LEDs), TILTED 33-DEGREES FROM
VERTICAL BASE-UP POSITION.

TOTAL INPUT WATTS = 63.7 AT 120.0
VOLTS

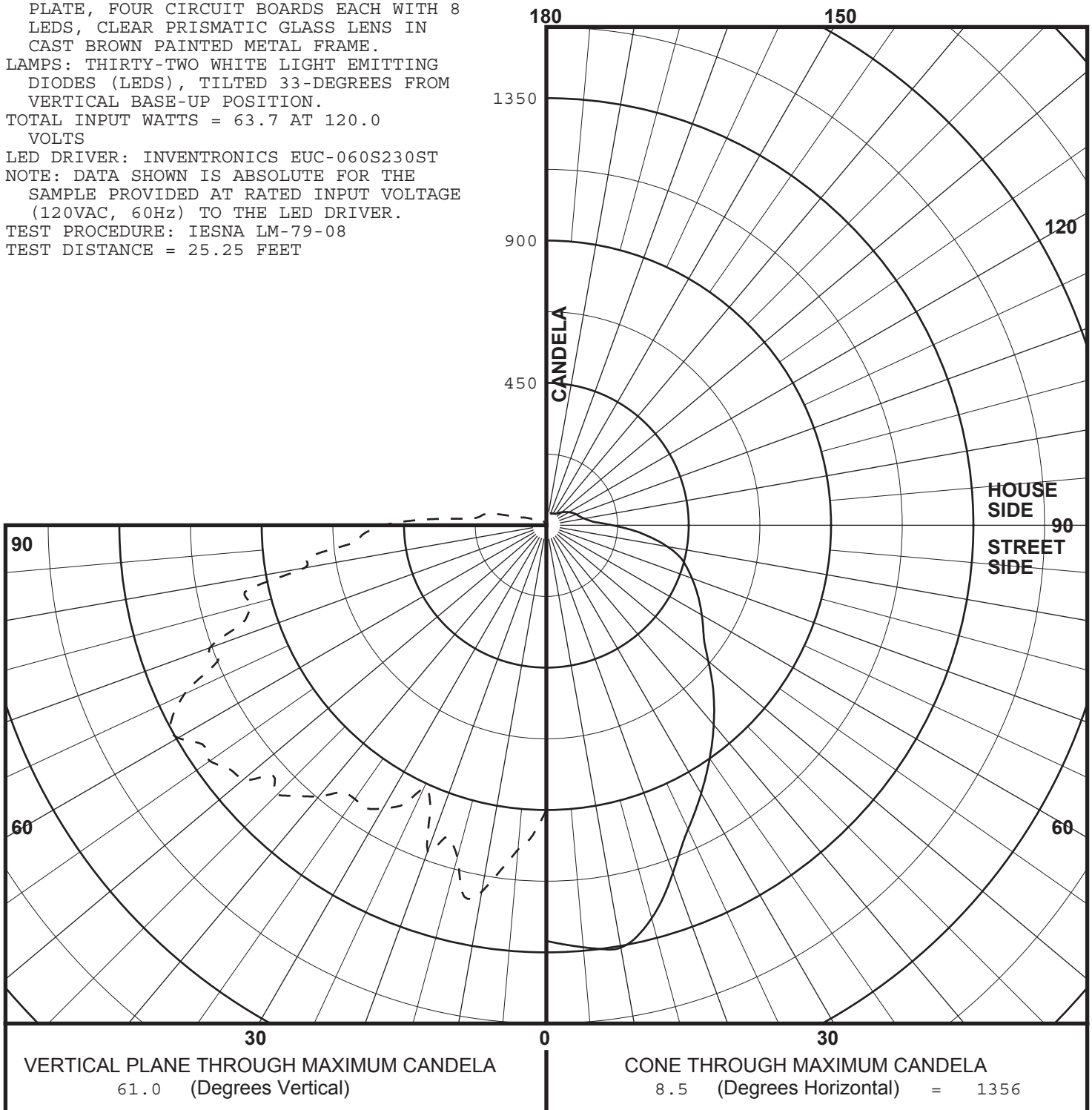
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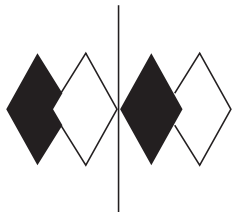
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TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 25.25 FEET

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

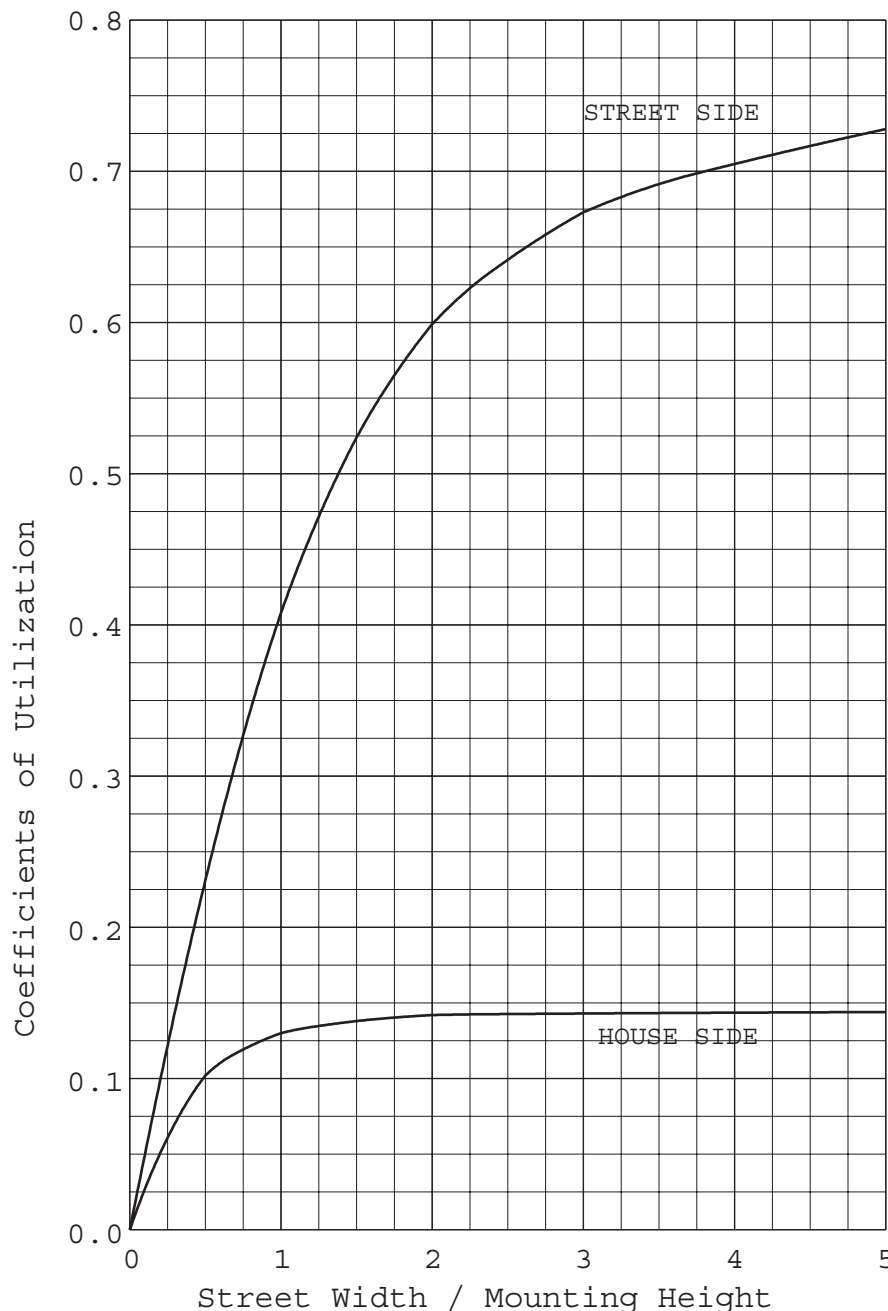




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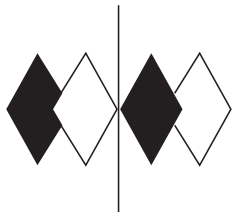
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	2233	79.0
DOWNWARD HOUSE SIDE	411	14.5
DOWNWARD TOTAL	2644	93.6
UPWARD STREET SIDE	174	6.2
UPWARD HOUSE SIDE	7	0.2
UPWARD TOTAL	181	6.4
TOTAL FLUX	2825	100.0
EFFICACY = 44.3 Lm/W		

ALL CANDELA AND LUMENS IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY.
THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE
LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.



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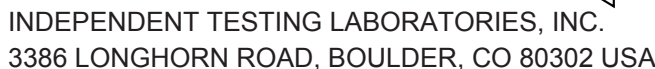
FLUX DISTRIBUTION BY SOLID ANGLE

(PER IESNA TM-15-11, LUMINAIRE CLASSIFICATION
SYSTEM FOR OUTDOOR LUMINAIRES)

	LUMENS	PERCENT OF FIXTURE	BUG ZONE RATINGS
FORWARD LIGHT	2233.	79.0	
FL (0- 30)	408.1	14.4	
FM (30- 60)	970.9	34.4	
FH (60- 80)	661.5	23.4	G1
FVH(80- 90)	192.4	6.8	G2
BACK LIGHT	411.	14.5	
BL (0- 30)	187.6	6.6	B1
BM (30- 60)	177.4	6.3	B0
BH (60- 80)	41.0	1.5	B0 G0
BVH(80- 90)	4.9	0.2	G0
UPLIGHT	181.	6.4	
UL (90-100)	97.0	3.4	U3
UH (100-180)	84.0	3.0	U3
TRAPPED LIGHT	0.	0.0	
TOTAL FLUX	2825.	100.0	

BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS
(PER ADDENDUM A FOR IESNA TM-15-11)

BUG RATING: B1 U3 G2



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CANDELA TABULATION

THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES. FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE.



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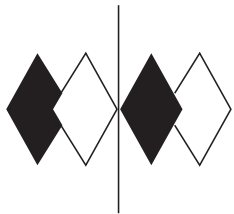
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CANDELA TABULATION

	HOUSE SIDE										
	90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	3.	2.	2.	0.	0.	0.	0.	0.	0.	0.
	125.0	8.	6.	3.	1.	0.	0.	0.	0.	0.	0.
	115.0	13.	11.	7.	3.	1.	0.	0.	0.	0.	0.
	105.0	15.	14.	11.	6.	2.	0.	0.	0.	0.	0.
	95.0	16.	14.	14.	10.	4.	1.	0.	0.	0.	0.
	92.5	16.	15.	15.	11.	5.	2.	0.	0.	0.	0.
	90.0	17.	17.	17.	12.	5.	2.	0.	0.	0.	0.
	87.5	22.	20.	19.	13.	7.	3.	0.	0.	0.	0.
	85.0	29.	25.	23.	16.	8.	3.	1.	0.	0.	0.
V	82.5	39.	32.	28.	19.	10.	4.	1.	0.	0.	0.
E	80.0	50.	41.	35.	24.	12.	5.	2.	0.	0.	0.
R	77.5	65.	52.	44.	30.	18.	7.	2.	0.	0.	0.
T	75.0	82.	63.	54.	38.	23.	14.	5.	1.	0.	0.
I	72.5	102.	76.	64.	46.	30.	20.	13.	6.	4.	1.
C	70.0	124.	91.	75.	55.	37.	26.	20.	15.	13.	11.
A	67.5	149.	106.	85.	66.	44.	33.	27.	22.	21.	20.
L	65.0	172.	121.	95.	76.	53.	40.	34.	29.	27.	28.
	62.5	199.	136.	105.	87.	62.	48.	41.	38.	34.	33.
A	61.0<<	209.	144.	109.	92.	73.	55.	44.	42.	37.	37.
N	60.0	227.	154.	114.	98.	73.	56.	49.	45.	42.	40.
G	57.5	249.	174.	125.	108.	84.	65.	57.	52.	51.	48.
L	55.0	277.	195.	137.	118.	96.	76.	66.	60.	59.	57.
E	52.5	300.	218.	151.	129.	109.	88.	76.	69.	66.	67.
	50.0	327.	245.	167.	140.	121.	102.	87.	80.	74.	73.
	47.5	356.	276.	184.	153.	133.	115.	100.	91.	85.	80.
	45.0	385.	307.	207.	168.	146.	128.	114.	103.	98.	93.
	42.5	420.	342.	233.	183.	162.	142.	129.	117.	111.	105.
	40.0	460.	383.	263.	202.	180.	155.	144.	133.	127.	122.
	37.5	498.	422.	293.	224.	198.	170.	159.	150.	143.	139.
	35.0	541.	460.	333.	249.	216.	184.	171.	166.	160.	155.
	30.0	634.	558.	427.	312.	255.	225.	197.	190.	185.	180.
	25.0	712.	647.	530.	402.	306.	269.	241.	220.	211.	202.
	20.0	771.	715.	637.	515.	397.	332.	301.	282.	266.	246.
	15.0	813.	766.	724.	652.	560.	471.	403.	369.	346.	327.
	10.0	878.	849.	797.	776.	725.	673.	623.	577.	532.	507.
	5.0	908.	895.	875.	852.	837.	824.	805.	785.	768.	762.
	0.0	901.	901.	901.	901.	901.	901.	901.	901.	901.	901.

CONE OF MAXIMUM CANDELA



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